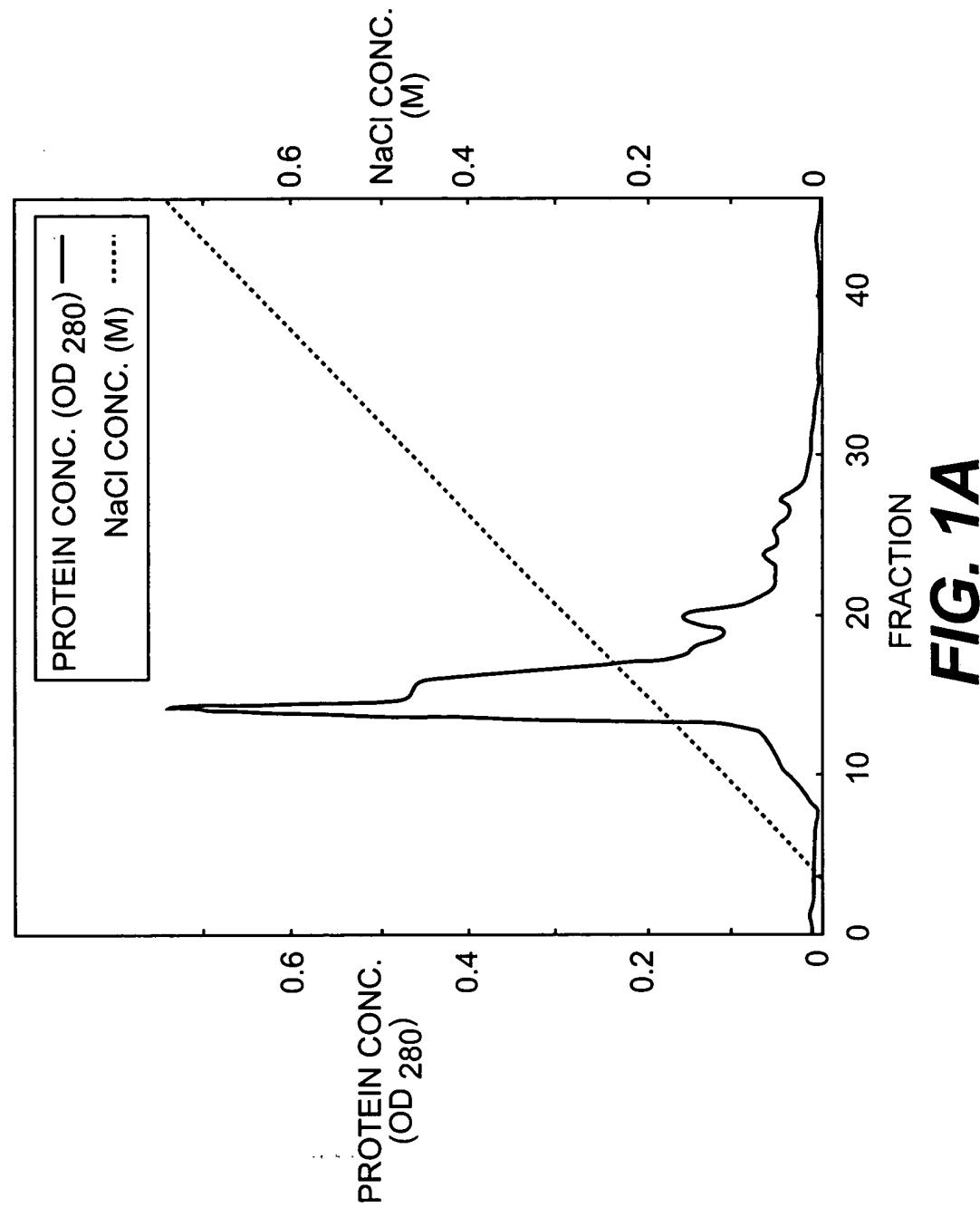




RECEIVED

FEB 20 2004



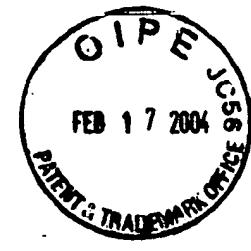


RECEIVED
FEB 20 2004

OCIF ACTIVITY

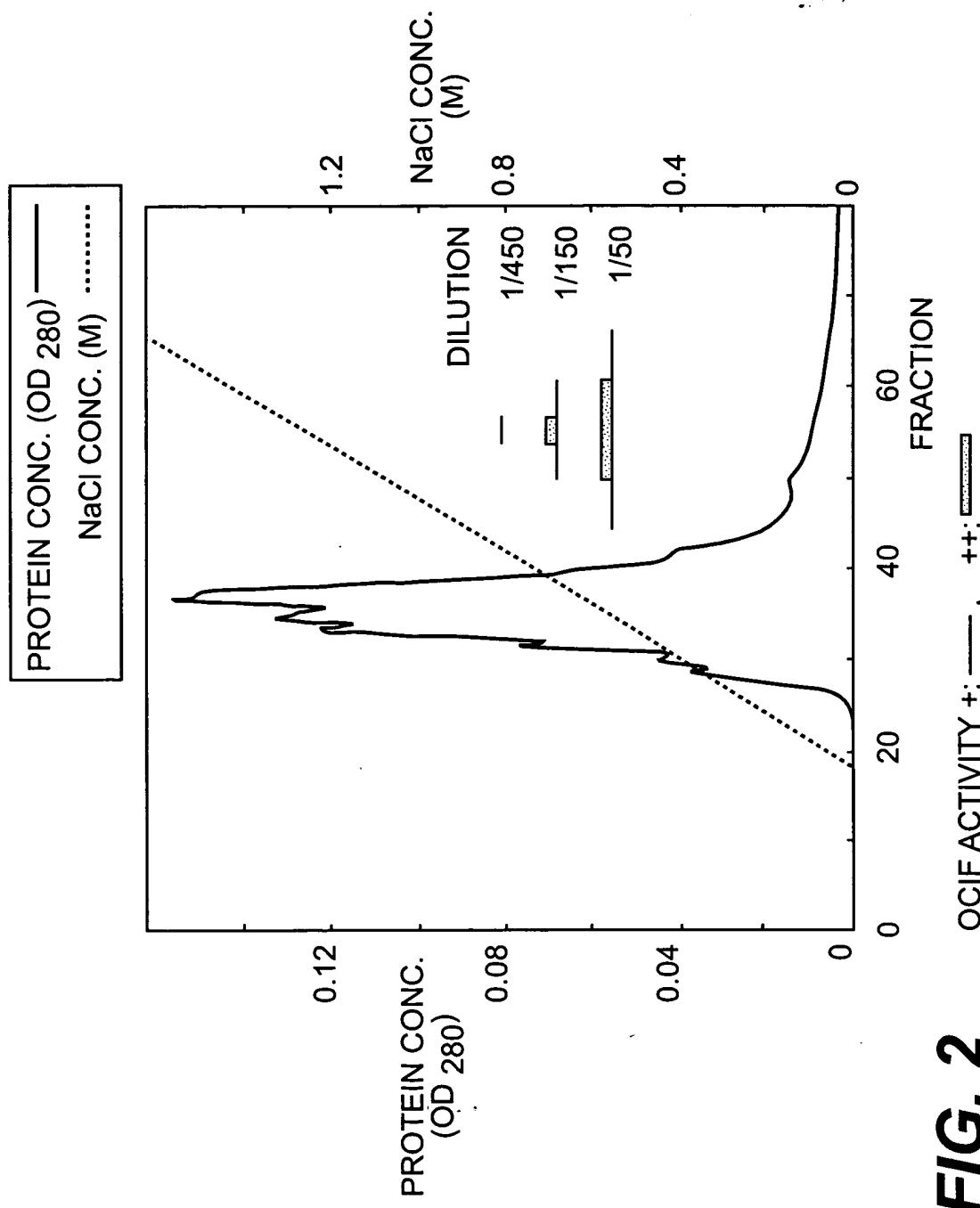
DILUTION	FRACTIONS			
	<u>1-10</u>	<u>11-20</u>	<u>21-30</u>	<u>31-40</u>
1/100	-	++	++	-
1/500	-	++	++	-

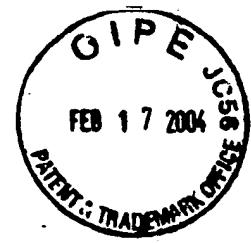
FIG. 1B



U.S. Application No. 09/062,113
Novel Proteins and Methods for Producing the Proteins

RECEIVED
FEB 20 2004





U.S. Application No. 09/062,113
Novel Proteins and Methods for Producing the Proteins

RECEIVED

FEB 20 2004

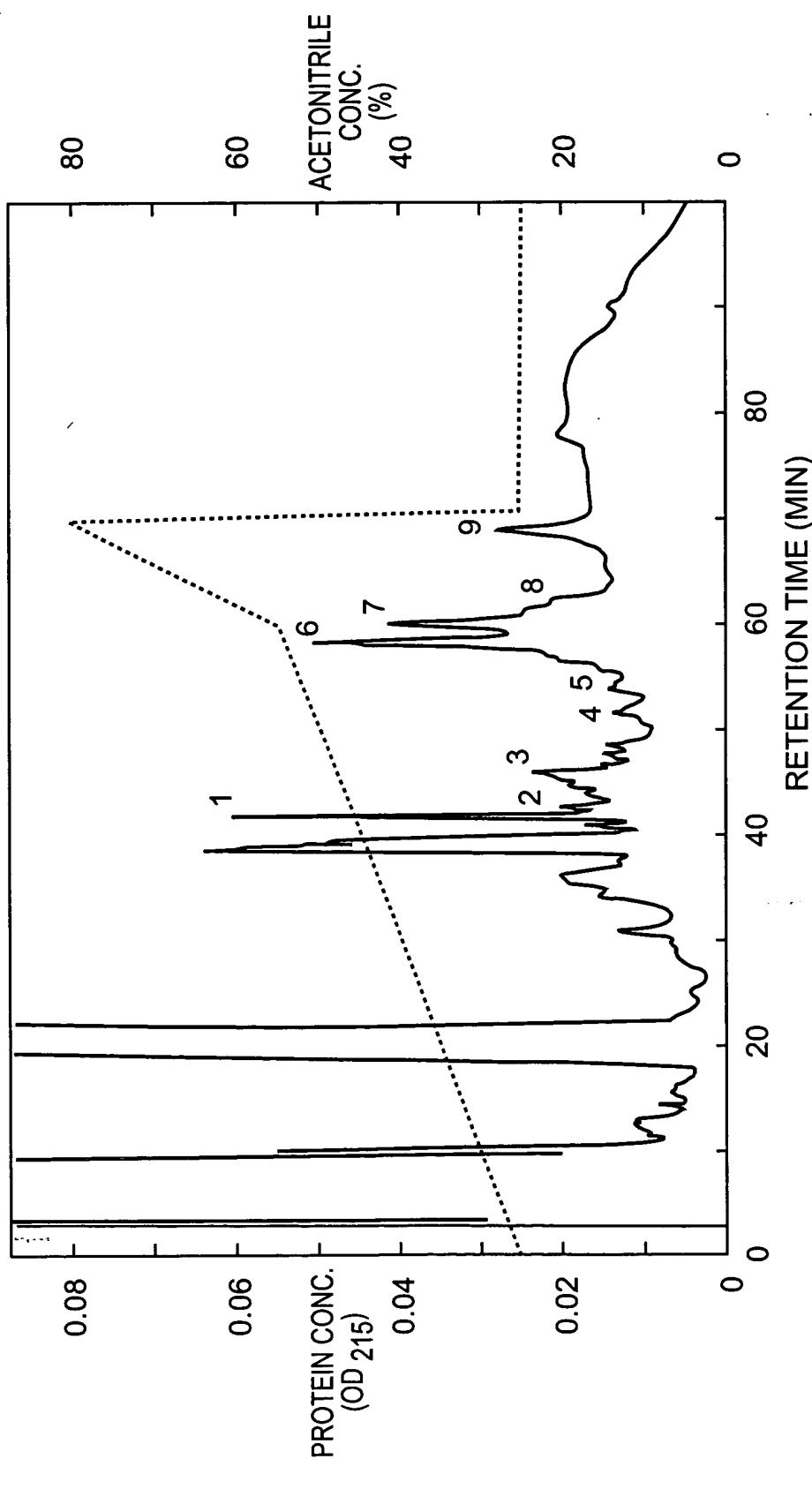


FIG. 3



RECEIVED

FEB 20 2004

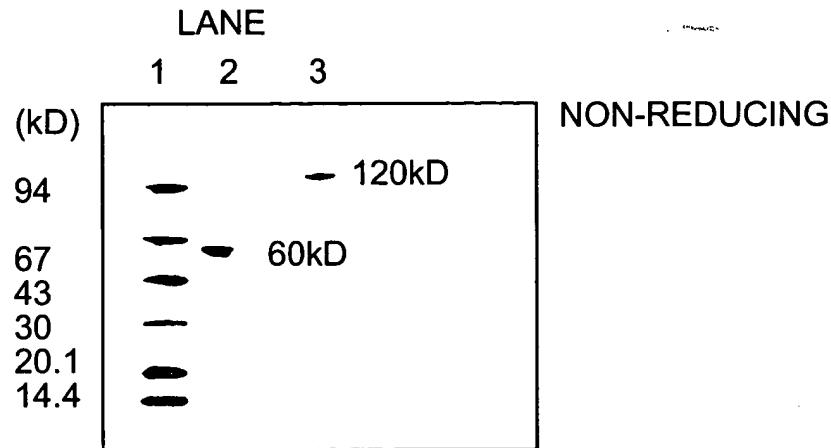


FIG. 4A

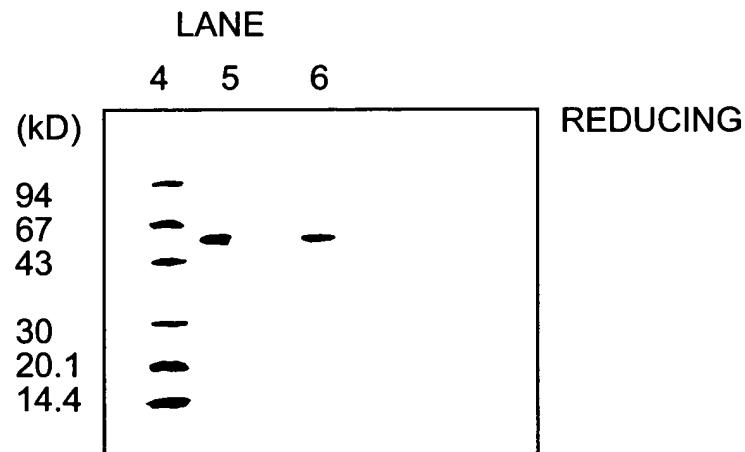


FIG. 4B

RECEIVED

FEB 20 2004

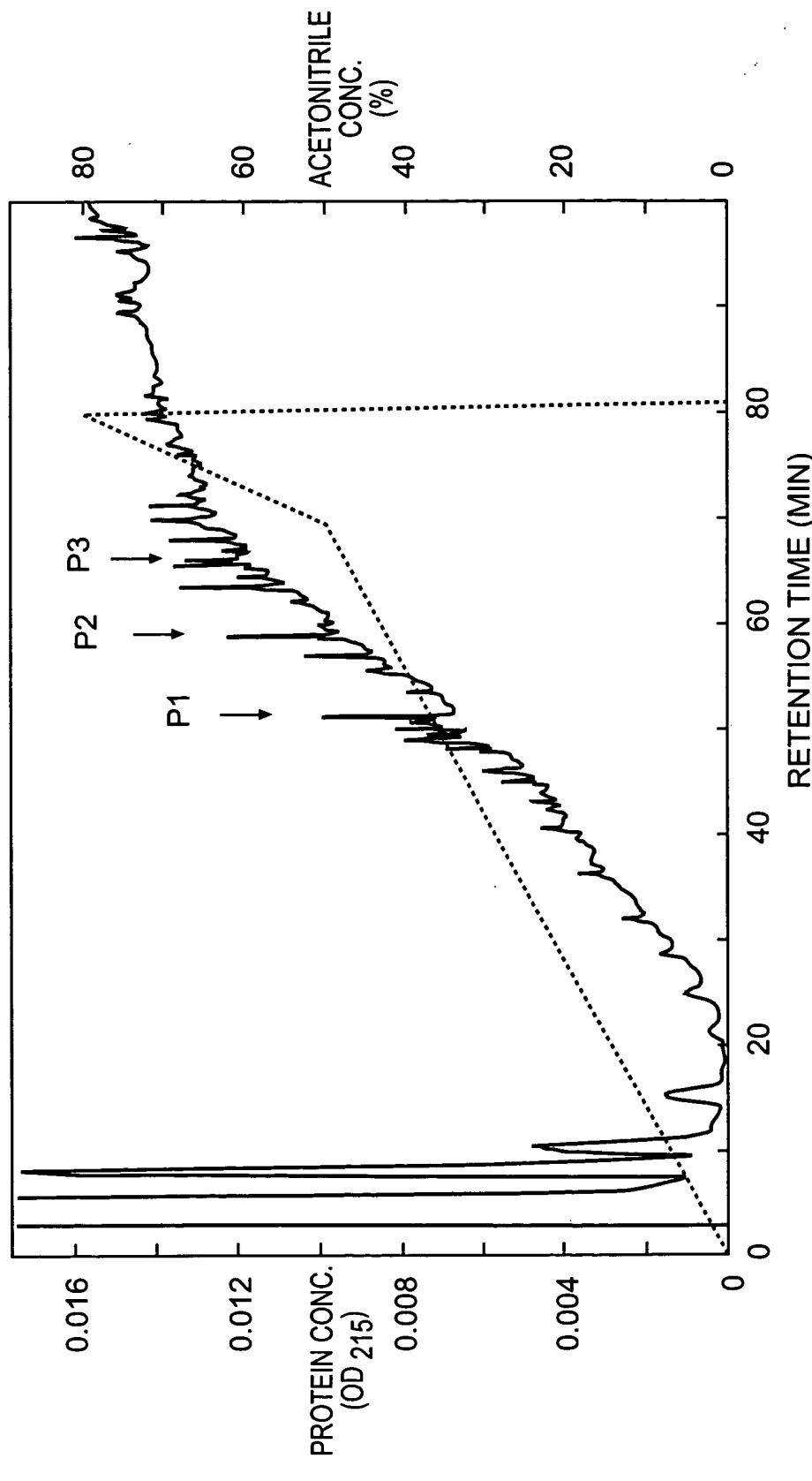


FIG. 5



RECEIVED

FEB 20 2004

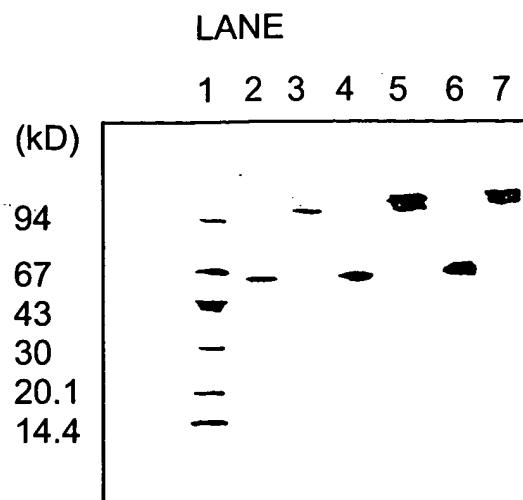


FIG. 6

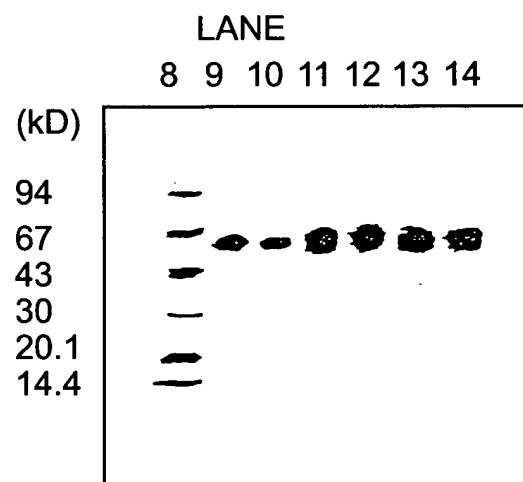


FIG. 7

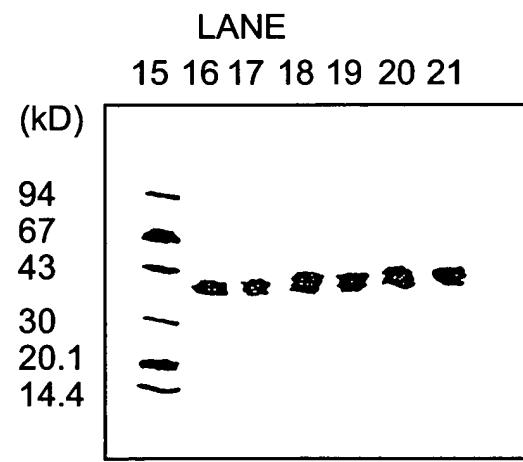


FIG. 8



RECEIVED

FEB 20 2004

1

MNNLLCCALVFLDI SI KWTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1, SEQ ID NO:5)

MNNLLCCALVFLDI SI KWTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF2, SEQ ID NO:9)

1

61

VCAPCPDHYYTDSWHTSDECLY CSPVCSELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1, SEQ ID NO:5)

VCAPCPDHYYTDSWHTSDECLY CSPVCKE-----CNRTHNRVCECKEGRYLEIEFCLK (OCIF2, SEQ ID NO:9)

61

121

HRSCPPGFGVQAGTPERNTVKRCPDGFSNETSSKAPCRKHTNCSVGLLLTKGNAT (OCIF1, SEQ ID NO:5)

HRSCPPGFGVQAGTPERNTVKRCPDGFSNETSSKAPCRKHTNCSVGLLLTKGNAT (OCIF2, SEQ ID NO:9)

114

181

HDNI CSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI (OCIF1, SEQ ID NO:5)

HDNI CSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI (OCIF2, SEQ ID NO:9)

174

241

KRQHSSQEQTQFLKLWQHQNKDQDI VKKII QDIDL CENS VQRHIGHANLT F EQLRSLME (OCIF1, SEQ ID NO:5)

KRQHSSQEQTQFLKLWQHQNKDQDI VKKII QDIDL CENS VQRHIGHANLT F EQLRSLME (OCIF2, SEQ ID NO:9)

234

301

SLPGKKVGAEDI EKTI KACKPSDQILKLLSLWRI KNGDQDTLKGLMHALKHSKTYHFPKT (OCIF1, SEQ ID NO:5)

SLPGKKVGAEDI EKTI KACKPSDQILKLLSLWRI KNGDQDTLKGLMHALKHSKTYHFPKT (OCIF2, SEQ ID NO:9)

294

361

VTQSLKKTIRFLHSFTMYKLYQKLFLEMI GNQVQSVKISCL (OCIF1, SEQ ID NO:5)

VTQSLKKTIRFLHSFTMYKLYQKLFLEMI GNQVQSVKISCL (OCIF2, SEQ ID NO:9)

354

FIG. 9

RECEIVED

FEB 20 2004



1
MNNLLCCALVFLDI SI KWTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1, SEQ ID NO:5)
** *****
MNKLLCCALVFLDI SI KWTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF3, SEQ ID NO:11)
1

61
VCAPCPDHYYTDSWHTSDECLYCSVCVELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1, SEQ ID NO:5)

VCAPCPDHYYTDSWHTSDECLYCSVCVELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF3, SEQ ID NO:11)
61

121
HRSCPPGFGVQAGTPERNTVKRCPDGFFSNETSSKAPCRKHTNCSVGLLLQKGNAT (OCIF1, SEQ ID NO:5)

HRSCPPGFGVQAGTPERNTVKRCPDGFFSNETSSKAPCRKHTNCSVGLLLQKGNAT (OCIF3, SEQ ID NO:11)
121

181
HDNI CSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPWNLSVLVDNLPGTKVNAESVERI (OCIF1, SEQ ID NO:5)

HDNI CSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPWNLSVLVDNLPGTKVNAESVERI (OCIF3, SEQ ID NO:11)
181

241
KRQHSSQEQTQFLKLWQHQNKDQDI VKKII QDIDLCENSQRHIGHANLTTEQLRSLME (OCIF1, SEQ ID NO:5)

KRQHSSQEQTQFLKLWQHQNKDQDI VKKII QDIDLCENSQRHIGHANL----- (OCIF3, SEQ ID NO:11)
241

301
SLPGKKVGAEDI EKTI KACKPSDQILKLLSLWRI KNGDQDTLKGLMHALKHSKTYHFPKT (OCIF1, SEQ ID NO:5)

-----LWRI KNGDQDTLKGLMHALKHSKTYHFPKT (OCIF3, SEQ ID NO:11)
292

361
VTQSLKKTI RFLHSFTMYKLYQKLFLEMI GNQVQSVKISCL (OCIF1, SEQ ID NO:5)

VTQSLKKTI RFLHSFTMYKLYQKLFLEMI GNQVQSVKISCL (OCIF3, SEQ ID NO:11)
322

FIG. 10



RECEIVED

FEB 20 2004

1

MNLLCCALVFLDI SI KWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1, SEQ ID NO:5)

MNKLLCCSLVFLDI SI KWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF4, SEQ ID NO:13)

1

61

VCAPCPDHYYTDSWHTSDECLY CSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1, SEQ ID NO:5)

VCAPCPDHYYTDSWHTSDECLY CSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF4, SEQ ID NO:13)

61

121

HRSCPPGFGVQAGTPERNVTCKRCPDGFFSNETSSKAPCRKHTNCSVGLLTQKGNAT (OCIF1, SEQ ID NO:5)

HRSCPPGFGVQAGTCQCAKLIRIMQSQIVVTV (OCIF4, SEQ ID NO:13)

121

FIG. 11

1

MNLLCCALVFLDI SI KWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1, SEQ ID NO:5)

MNKLLCCALVFLDI SI KWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF5, SEQ ID NO:15)

1

61

VCAPCPDHYYTDSWHTSDECLY CSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1, SEQ ID NO:5)

VCAPCPDHYYTDSWHTSDECLY CSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF5, SEQ ID NO:15)

61

121

HRSCPPGFGVQAGTPERNVTCKRCPDGFFSNETSSKAPCRKHTNCSVGLLTQKGNAT (OCIF1, SEQ ID NO:5)
***** *

HRSCPPGFGVQAGCRRRPKPQICI (OCIF5, SEQ ID NO:15)

121

FIG. 12



RECEIVED

FEB 20 2004

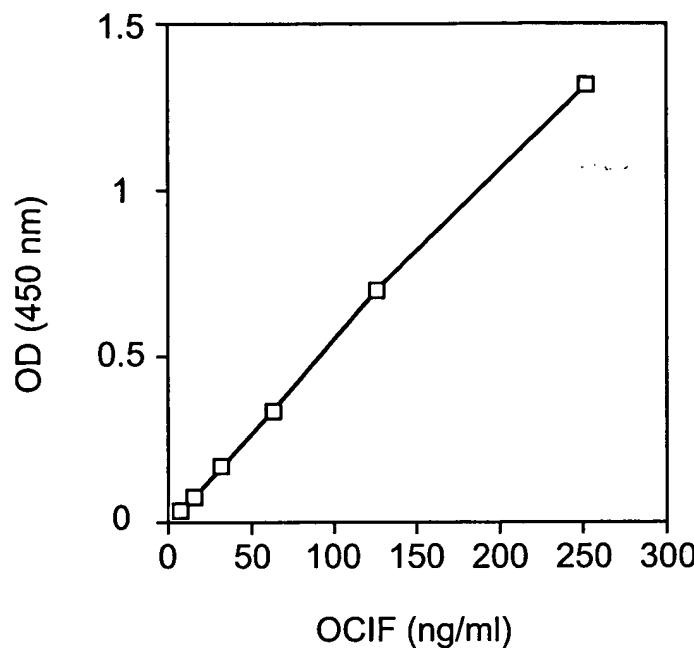


FIG. 13

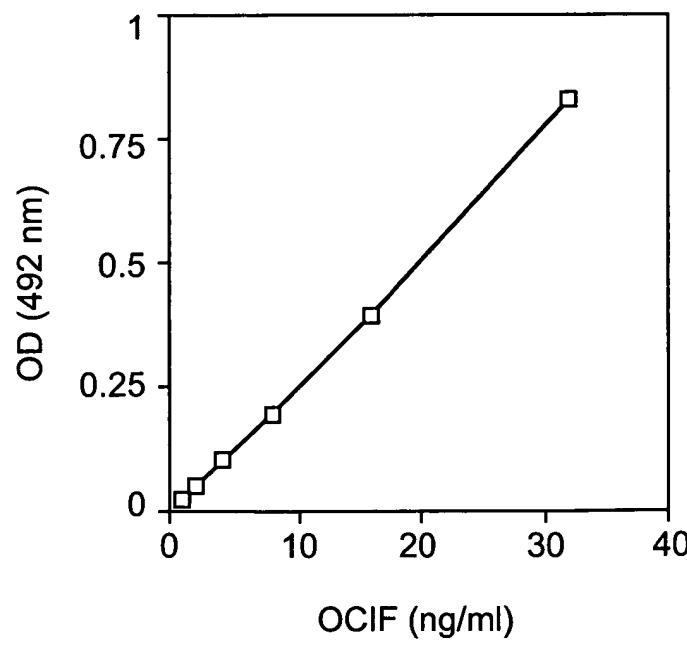
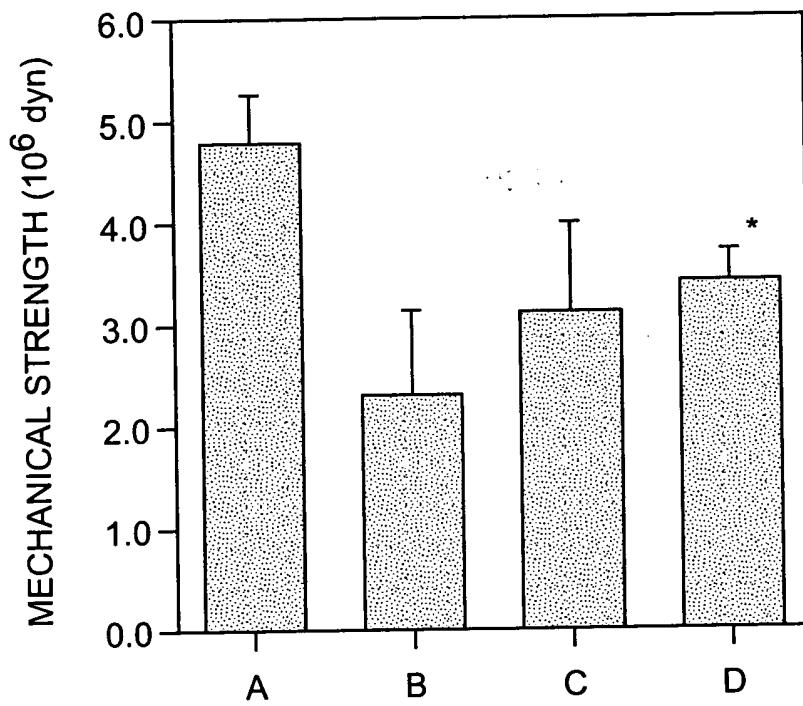


FIG. 14



RECEIVED

FEB 20 2004



- A: NORMAL RAT
- B: DENERVED RAT + VEHICLE
- C: DENERVED RAT + OCIF 10 μ g/kg/day
- D: DENERVED RAT + OCIF 100 μ g/kg/day

FIG. 15